CLAIMS

1. Equipment for receiving a small-calibre weapon for a test bench having a mount provided with receiving means for securing the weapon, characterised in that it comprises

- a receiving means (4, 5) provided with clamping screws (9, 12) for receiving and locking in position the weapon (A) to be tested,
- a positioning means (6, 7, 11) carried by the receiving means (4, 5),
- an interface (10) moulded on the weapon (A) and the positioning means (6, 7, 11),
- the clamping screws (9, 12) connected to the receiving means (4, 5) and clamping the moulded interface (10) against the weapon (A).

2. Equipment according to claim 1, characterised in that the moulded interface (10) is composed of thermoformable plastics material.

3. Equipment according to claim 1 for a small-arm, characterised in that

- the receiving means is a seat (5) which is secured to the mount (2) of the test bench,
- the positioning means is constituted by two grooved plates (6, 7) which are connected by clamping screws (9) which extend through them and which are fastened to the seat (5),
- the grooved surfaces (61, 71) of the plates (6, 7) being turned towards one another in order to receive between them the interface moulded on the weapon.

4. Equipment according to claim 3, characterised by positioning members (53, 54) associating the plates (6, 7) and the seat (5), in addition to the clamping screws (9).

5. Equipment according to claim 3, characterised in that the grooves of the plates (6, 7) are channels (61) which are distributed in accordance with a grid pattern.

6. Equipment according to claim 1 for receiving a long weapon or a hip weapon, characterised in that

- the receiving means is a U-shaped stirrup (4) provided with positioning means constituted by imprint-marking screws (11) screwed into the U-shaped stirrup and extending through the latter in a limited manner in order to project into the housing of the U-shaped stirrup (4),
- these imprint-marking screws (11) being replaced by clamping screws (12) which clamp the weapon (A) after the interface has set, being accommodated in the imprints produced by the marking screws (11).

7. Equipment according to claim 6, characterised in that the interface is in the shape of a U following the contour of the housing of the stirrup (4).

8. Equipment according to claim 6, characterised in that the marking screws (11) are composed of stainless steel.

9. Method for using the receiving equipment according to claims 1 to 5, characterised in that

- a mass of thermoformable plastics material is prepared by heating it in order to bring it into the plastic state,
- the thermoformable plastics mass is applied in the pasty state divided into one or more portions (CR) on the regions of the weapon (A) to be clamped,
- the weapon is installed between the grooved plates (6, 7) and the assembly is clamped onto the seat (5),
- when the plastics material has hardened, the interface may be unmoulded and/or tests may be carried out.

10. Method for using the equipment according to claims 1 and 6 to 8, characterised in that

- a mass of thermoformable plastics material is prepared by heating it in order to soften it and bring it into the plastic state,
- the imprint-marking screws are screwed in with a limited overshoot in place of clamping screws,

- the weapon is arranged in the stirrups,
- the portion of the weapon to be gripped and the imprint-marking screws are surrounded from below and from the lateral sides with the thermoformable plastics material which has been softened to the pasty state and which is applied by packing,
- when the imprint has set, that is to say, after it has cooled, unmoulding is carried out,
- the marking screws (11) are replaced by the clamping screws (12) in the stirrup (4) in order to clamp the weapon for tests, the clamping screws being accommodated in the housings produced using the marking screws.